

TECSUN PL-330

TECSUN PL-330 Portable DSP Receiver User Manual

Model: PL-330

1. INTRODUCTION

Thank you for purchasing the TECSUN PL-330 Portable DSP Receiver. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device. The PL-330 is a compact, high-sensitivity radio capable of receiving FM, Longwave (LW), Mediumwave (MW), and Shortwave (SW) bands, including Single Sideband (SSB) demodulation and synchronous detection for enhanced listening experience.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Keep the device away from water and other liquids.
- Do not attempt to disassemble or modify the receiver. This will void the warranty and may cause damage.
- Use only the specified power source and accessories.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

Please check the package for the following items:

- TECSUN PL-330 Portable DSP Receiver
- External Antenna
- Earphones
- USB Charging Cable
- User Manual (Japanese version included, this document serves as an English guide)

4. PRODUCT OVERVIEW

4.1 Front Panel



Image: Front view of the TECSUN PL-330 radio, showing the LCD display, speaker grille, and various control buttons including a numeric keypad, band selection, and tuning controls.

The front panel features the LCD display, speaker, numeric keypad for direct frequency entry, and buttons for band selection (FM/MW/LW/SW), memory functions, time/alarm settings, and power control.

4.2 Side Panels



Image: Left side view of the TECSUN PL-330 radio, showing the FM & SW antenna jack, earphone jack, and DC-IN 5V USB charging port.

The left side of the receiver includes the external antenna jack for FM and SW, the earphone jack, and the DC-IN 5V USB port for charging the internal battery.



Image: Right side view of the TECSUN PL-330 radio, showing the tuning knob, volume knob, and other control dials for hour, minute, and AM bandwidth.

The right side features the main tuning knob, volume control, and additional dials for fine-tuning and setting time/bandwidth.

4.3 Back Panel



Image: Back view of the TECSUN PL-330 radio, showing the telescopic antenna, speaker grille, and a label with model information and frequency ranges.

The back panel houses the telescopic antenna and a label detailing the model number, frequency ranges for FM, MW, LW, SW, battery type (Li-ion 3.7V), and DC input specifications.

5. SETUP

5.1 Charging the Battery

The TECSUN PL-330 uses a built-in rechargeable Li-ion 3.7V battery. Before first use, fully charge the battery.

1. Connect the supplied USB charging cable to the DC-IN 5V port on the left side of the radio.
2. Connect the other end of the USB cable to a USB power adapter (not included) or a computer USB port.
3. The charging indicator on the display will show the charging status. Charging is complete when the indicator shows a full battery.

5.2 Antenna Connection

For optimal reception, especially on FM and Shortwave bands, extend the telescopic antenna fully. For enhanced FM and SW reception, you can connect the external antenna to the 'FM & SW ANTENNA' jack

on the left side of the radio.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the **POWER** button located on the top right of the front panel to turn the radio on or off.

6.2 Band Selection

Press the respective band buttons (**FM**, **MW/LW**, **SW**) on the front panel to switch between frequency bands.

6.3 Tuning Methods

- **Manual Tuning:** Rotate the **TUNING** knob on the right side to manually adjust the frequency.
- **Direct Frequency Entry:** Use the numeric keypad on the front panel to enter the desired frequency directly, then press **FREQ** or **ENTER** (if available, otherwise it will tune automatically after a few seconds).
- **Auto Scan Tuning (ATS):** Press and hold the **ATS** button (if available) to automatically scan and store available stations.
- **ETM (Easy Tuning Mode):** Press the **ETM** button to access the Easy Tuning Mode, which allows for quick scanning and storage of stations within a specific time period.

6.4 Volume Control

Rotate the **VOLUME** knob on the right side to adjust the audio output level.

6.5 SSB (Single Sideband) Reception

The PL-330 supports SSB reception, which is essential for listening to amateur radio, utility stations, and some shortwave broadcasts. To activate SSB mode, press the **SSB** button. Use the fine-tuning control (often integrated with the main tuning knob or a separate BFO/SSB knob) to clarify the audio. The display will indicate LSB (Lower Sideband) or USB (Upper Sideband).

6.6 Synchronous Detection

For improved reception on AM broadcasts, especially when dealing with fading or adjacent channel interference, the PL-330 features synchronous detection. Press the **SYNC** button to activate this feature. This can help reduce distortion and improve signal clarity.

6.7 Memory Functions

The radio allows you to store your favorite stations. Refer to the on-screen prompts or the detailed Japanese manual for specific steps on storing and recalling frequencies. Typically, this involves tuning to a station, pressing a **MEMORY** or **STORE** button, and then selecting a memory location.

6.8 Time and Alarm Settings

The display shows time information. Use the **TIME** and **ALARM** buttons, along with the hour and minute adjustment dials on the right side, to set the current time and configure alarm functions.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the radio. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the radio in a cool, dry place. Ensure the battery is partially charged to maintain its health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge the battery regularly, even if the radio is not in active use, to prolong its lifespan.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery is depleted.	Charge the battery using the USB cable.
Poor reception / Static	Antenna not extended; weak signal; interference.	Extend the telescopic antenna fully. Try connecting the external antenna. Move to a location with better signal. Activate synchronous detection (SYNC) for AM.
SSB audio unclear	Fine-tuning (BFO) not adjusted correctly.	Adjust the fine-tuning control (often the main tuning knob in SSB mode) until the voice is clear.
Buttons unresponsive	Device frozen; low battery.	Try turning the radio off and on again. Charge the battery. If problem persists, a reset might be necessary (refer to the full manual for reset procedures).

9. SPECIFICATIONS

- **Brand:** TECSUN
- **Model:** PL-330
- **Tuner Technology:** AM, FM, SSB, SW
- **Frequency Ranges:**
 - FM: 64 - 108 MHz
 - MW (AM): 522 - 1620 kHz (or 520 - 1710 kHz)
 - LW: 153 - 513 kHz
 - SW: 1711 - 29999 kHz

- **Connectivity:** USB (for charging)
- **Power Source:** Internal Li-ion 3.7V rechargeable battery
- **DC Input:** 5V 500mA
- **Display Type:** LCD
- **Dimensions (L x W x H):** 13.9 cm x 2.6 cm x 8.5 cm
- **Included Components:** External antenna, earphones, USB cable, user manual

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your local TECSUN authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.